

463.04.05 Brick Masonry Facing will be measured and paid for at the Contract lump sum price.

**SECTION 464 — EPOXY PROTECTIVE
COATINGS FOR CONCRETE**

464.01 DESCRIPTION. This work shall consist of furnishing, and applying epoxy protective coatings as specified in the Contract Documents or as directed by the Engineer.

464.02 MATERIALS.

Sand	901.01
Epoxy Protective Coatings	917.01

464.03 CONSTRUCTION. The epoxy protective coating shall not be applied until at least 30 days after forms are removed. All surfaces to be coated shall be abraded by abrasive blasting, water blasting, or other mechanical means to provide a surface profile for improved adhesion. The surface shall be sound, clean, thoroughly dry and free of oil, grease, curing compound, and other foreign matter before applying the first epoxy protective coating. Two coats shall be applied to the specified areas of the structure. The application of each epoxy protective coating shall follow a dry weather period of at least two consecutive days and within the time frame recommended by the manufacturer. Adjacent areas not to be coated shall be masked or otherwise protected to prevent staining.

464.03.01 Mixing and Application. Mixing and application shall conform to the manufacturer’s recommendations. Epoxy coatings shall be applied by brush or roller. Epoxy coatings shall not be applied to piers and abutments until the structural steel masonry plates have been placed.

464.03.02 Coating Requirements. The second epoxy coating on the top surfaces of the piers and abutment bridge seat areas between beams pads shall be sprinkled with an excess of sand while it is still wet. When it has hardened sufficiently to resist marring, the excess sand not adhering to the coatings shall be removed. Areas to be coated are:

- (a) Abutments that are under a transverse joint in the deck shall be coated. The coatings shall be applied to the entire horizontal surface of the abutment bridge seat areas (between and around the beam pads) and all exposed surfaces of the beam pads, and the entire contiguous vertical faces of the backwalls and cheek walls.

- (b) Piers that are under a transverse joint in the deck shall be coated. The coatings shall be applied to the entire horizontal surface of pier bridge seat areas (between and around the beam pads), and all exposed surfaces of the beam pads.

464.03.03 Material Precautions. The manufacturer’s Material Safety Data shall be used in handling and use of the material.

464.03.04 Repairs. Any portion of the structures damaged by the Contractor’s operations in applying the protective coatings, including damage to the epoxy protective coating, shall be repaired as directed by the Engineer, at no additional cost to the Administration. Epoxy protective coating repairs shall be performed in conformance with the manufacturer’s recommendations.

464.04 MEASUREMENT AND PAYMENT. The payment will be full compensation for both coats and all material, labor, equipment, tools, and incidentals necessary to complete the work.

464.04.01 Epoxy protective coatings for concrete for which no specific item is included in the Contract Documents will not be measured but the cost will be incidental to other pertinent items included in the Contract Documents.

464.04.02 Epoxy protective coatings for concrete will not be measured but will be paid for at the Contract lump sum price for the pertinent Epoxy Protective Coating item.

464.04.03 Epoxy protective coatings for concrete will be measured and paid for at the Contract unit price per square yard for the pertinent Epoxy Protective Coating item.

**SECTION 465 — FUSION BONDED POWDER
COATINGS FOR METAL**

465.01 DESCRIPTION. This work shall consist of furnishing and applying electrostatically applied fusion bonded powder coatings on metal surfaces as specified in the Contract Documents.

465.02 MATERIALS.

Epoxy Powder Coating	917.02 except creep test will not be required
Polyester Powder Coating	917.03